

Supporting Information

A porous and conductive graphite nanonetwork forming on the surface of KCu_7S_4 for energy storage

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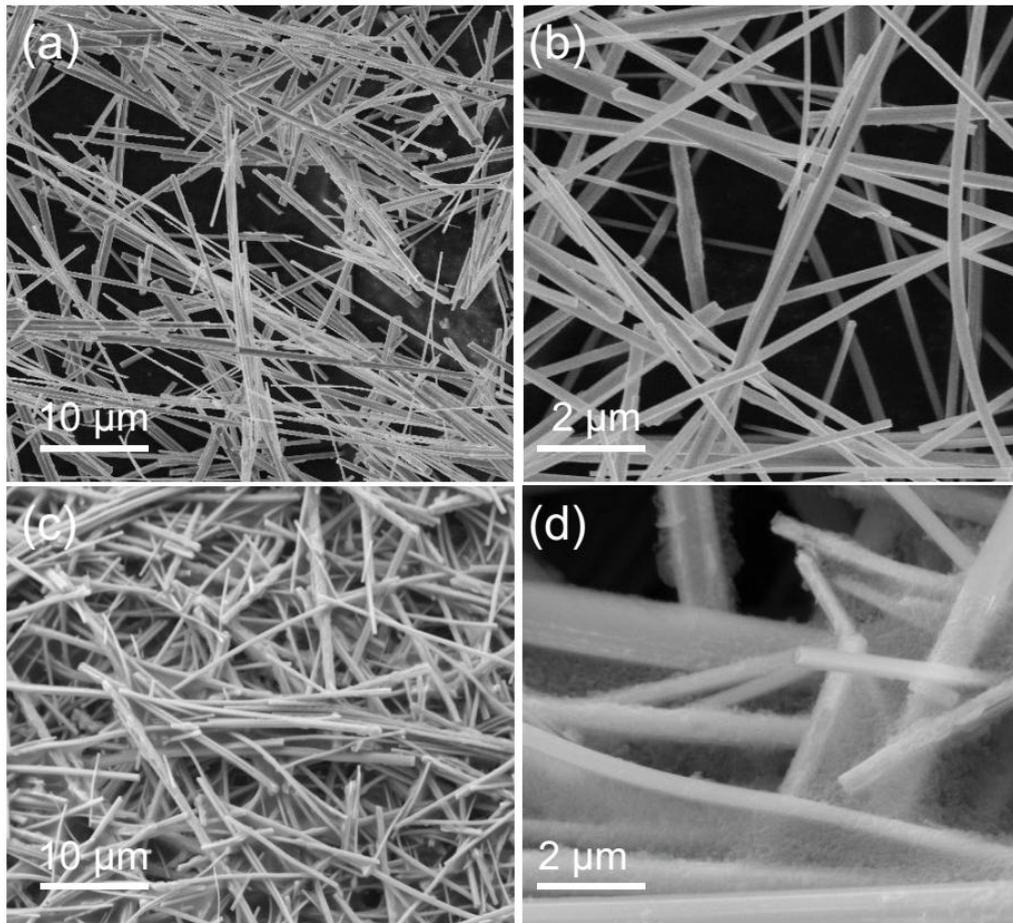


FIGURE. S1 (a, b) SEM images of KCu_7S_4 nanowires. (c,d) SEM images of GN/ KCu_7S_4 nanocomposites.

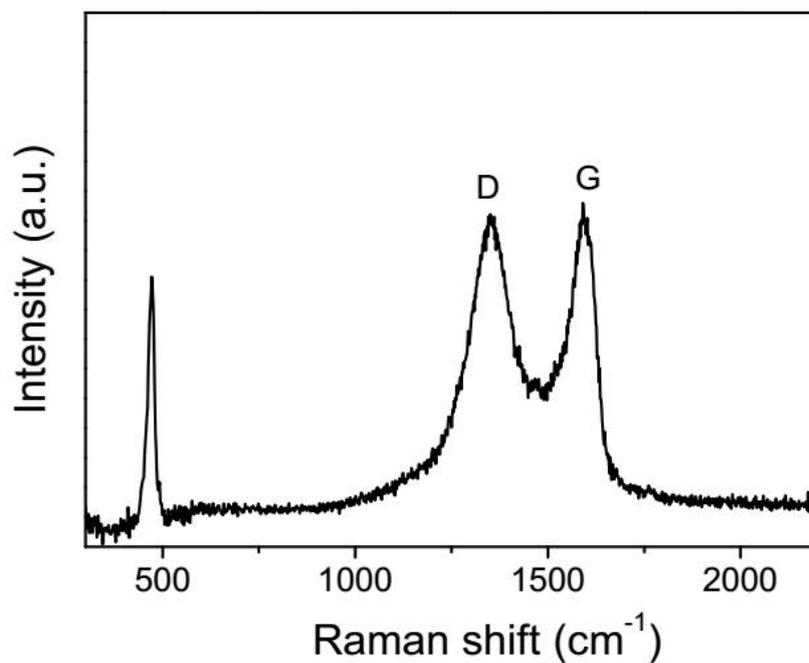


FIGURE. S2 Raman spectrum of the GN/KCu₇S₄ nanowires

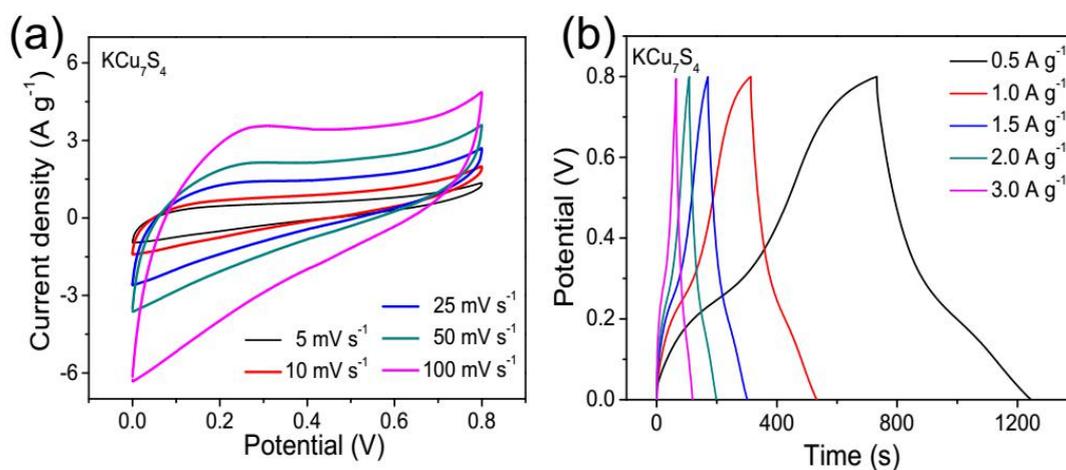


FIGURE. S3 (a) CV curves of KCu₇S₄/CFF SCs at different scan rates. (b) Galvanostatic charge-discharge curves of the KCu₇S₄/CFF SC at various current densities. .

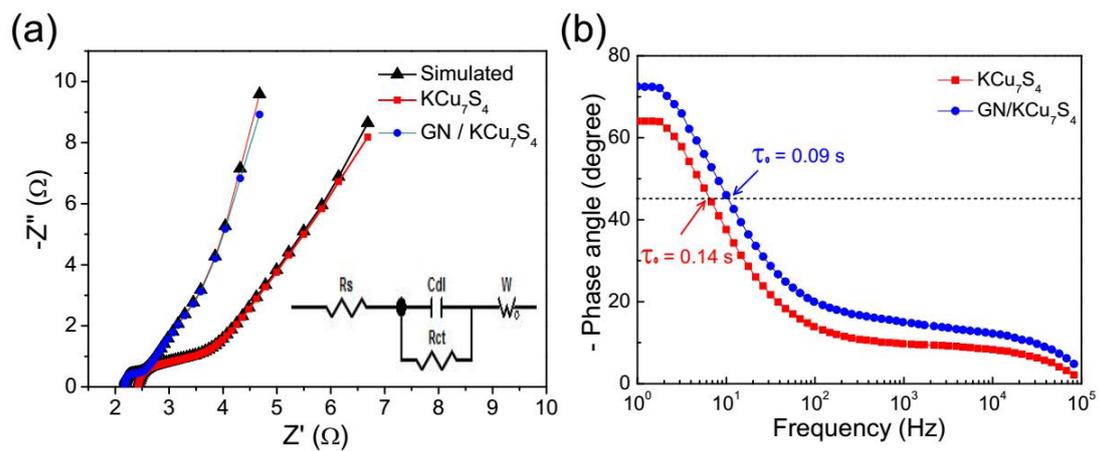


FIGURE. S4 (a) Nyquist plots, (b) Bode plots of the prepared KCu_7S_4/CFF and $GN/KCu_7S_4/CFF$ SCs.

VIDEO. Demonstration of the devices powering the LEDs in practical application.